



500.43057X00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: H. MATSUSHIGE, et al

Serial No.: 10/649,687

Filed: August 28, 2003

For: STORAGE UNIT AND CIRCUIT FOR SHAPING  
COMMUNICATION SIGNAL

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR §1.97 & 1.98**

**MS Amendment**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

June 14, 2005

Sir:

In the matter of the above-identified application, applicants are submitting herewith a copy of a communication from a foreign patent office in a counterpart foreign application and copies of the documents listed in the attached form equivalent to Form PTO-1449 for the Examiner's consideration.

This information disclosure statement is being submitted before the mailing date of a first office action on the merits.

To the extent the documents listed on the attached form equivalent to Form PTO-1449 are not in the English language, the requirement of 37 CFR §1.98(a)(3) for a concise explanation of the relevance is satisfied by an English language version or translation of the foreign patent office report citing the documents.

It is respectfully requested that this information disclosure statement be considered by the Examiner.

Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees, to the deposit account of MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C., Deposit Account No. 50-1417 (500.43057X00) please credit any excess fees to such deposit account.

Respectfully submitted,

 32,846

CIB/jdc  
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MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C.

**FORM PTO-1449** U.S. Department of  
Commerce Patent and Trademark Office

ATTY. DOCKET NO.

SERIAL NO.

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

APPLICANT

H. MATSUSHIGE, et al

FILING DATE

August 28, 2003

GROUP

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4 9 4 9 0 5 1	8/90	Viola			
	6 0 6 9 9 2 7	5/00	Kikuchi			
	5 8 9 8 8 2 8	4/99	Pignolet et al			
	5 4 3 0 8 5 5	7/95	Walsh et al			
	5 5 1 2 8 6 0	4/96	Huscroft et al			
	5 8 9 8 8 2 8	4/99	Pignolet et al			
	6 2 6 6 3 8 3	7/01	Kikuchi			
	6 3 9 2 4 9 5	5/02	Larsson			
	6 5 3 0 0 0 7	3/03	Olarig et al			

**FOREIGN PATENT DOCUMENTS**

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
					YES NO
0 3 0 3 4 6 4 7	4/03	PCT			XX
1 1 0 4 1 1 3	9/02	European			
0 8 6 6 5 5 9	9/98	European			

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**


EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

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**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
2 0 0 1	0 0 3 3 4 0 7	10/01	Cao			
2 0 0 2	0 0 5 3 0 1 0	5/02	Piccirillo et al			
2 0 0 2	0 0 3 3 7 1 4	3/02	Perrott			

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DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
					YES NO

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(Form PTO-1449 [6-4])